

JAPANESE PATENT OFFICE  
PATENT JOURNAL  
KOKAI PATENT APPLICATION NO. SHO 61[1986]-216455

Int. Cl.<sup>4</sup>: H 01 L 25/16  
//H 01 L 31/04

Sequence Nos. for Office Use: 7638-5F  
6851-5F

Application No.: Sho 60[1985]-58904

Application Date: March 22, 1985

Publication Date: September 26, 1986

No. of Inventions: 1 (Total of 3 pages)

Examination Request: Not requested

SEMICONDUCTOR DEVICE

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[There are no amendments to this patent.]

Claims

1. Semiconductor device characterized in that,  
bump (2), made of indium (In) or an alloy that contains  
indium, formed on first semiconductor chip (1),  
with alloy-forming metal layer (3), forming an alloy with  
indium at a temperature lower than the melting point of indium,  
between them,  
being made to contact bump (5) on second semiconductor chip  
(4) and with the two semiconductor chips (1) and (4) being  
bonded.
2. The semiconductor device described in Claim 1, wherein  
either of the aforementioned semiconductor chips (1) or (4) is  
made from mercury-cadmium-tellurium (HgCdTe) crystals.
3. The semiconductor device described in Claim 1, wherein  
aforementioned alloy-forming metal layer (3) is made from gold  
(Au).

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